Technical Manual
L890 Studio™ L Series

ACOUSTIC & ELECTRICAL SPECIFICATIONS:

• Nominal Impedance	8 ohms
• Max Amp Power	250 watts*
• Frequency Response	28Hz – 40kHz (±3dB)
• Sensitivity	91dB (2.83V @ 1 meter)
• Crossover Frequencies	700Hz, 5kHz, 20kHz

SYSTEM COMPONENTS:

• Grille	353231-001
• Low-Frequency Transducer	Dual 8" (202mm) PolyPlas™ cone, shielded (353111-001)
DC Resistance	9.4 ohms ±10%
• Mid-Frequency Transducer	4" (101mm) PolyPlas™ cone, shielded (353116-001)
DC Resistance	4.8 ohms ±10%
• High-Frequency Transducer	1" (25mm) Pure-titanium dome (353237-001)
DC Resistance	3.3 ohms ±10%
• Ultrahigh-Frequency Transducer	3/4" (19mm) Mylar® dome (353107-001)
DC Resistance	3.6 ohms ±10%
• Crossover Network	353584-001

AURAL SWEEP TEST SPECIFICATIONS:

• System Aural Sweep Test	6.0V Input 30Hz to 20kHz
• L.F. Aural Sweep Test	5.0V Input 30Hz to 1kHz
• M.F. Aural Sweep Test	5.0V Input 500Hz to 5kHz
• H.F. Aural Sweep Test	2.83V Input 5kHz to 20kHz
• U.H.F. Aural Sweep Test	n/a

PHYSICAL SPECIFICATIONS:

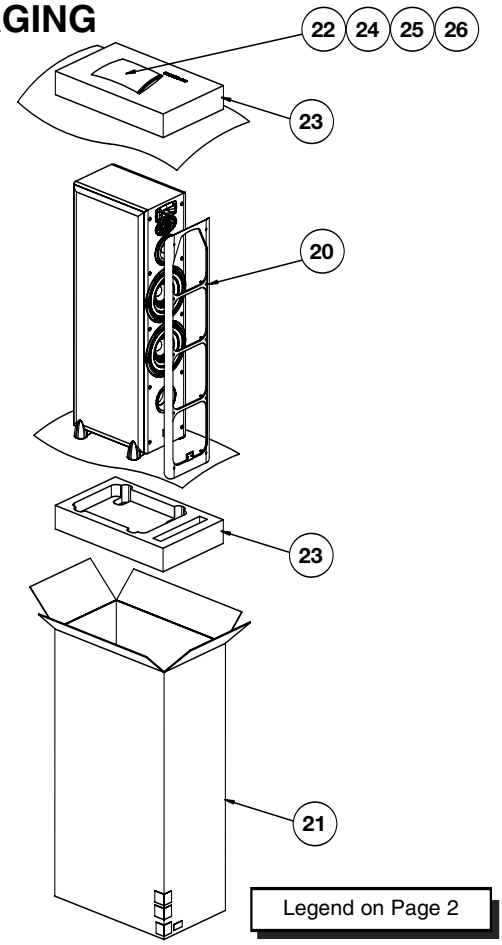
• Enclosure dimensions (H x W x D)	42-1/4" x 10-1/4" x 15" (1073mm x 259mm x 380mm)
• Weight	60 lb (27.3kg) Each

WARRANTY:

- Refer to Warranty Statement packed with each product.

* The maximum recommended amplifier power rating will ensure proper system headroom to allow for occasional peaks. We do not recommend sustained operation at these maximum power levels.

PACKAGING



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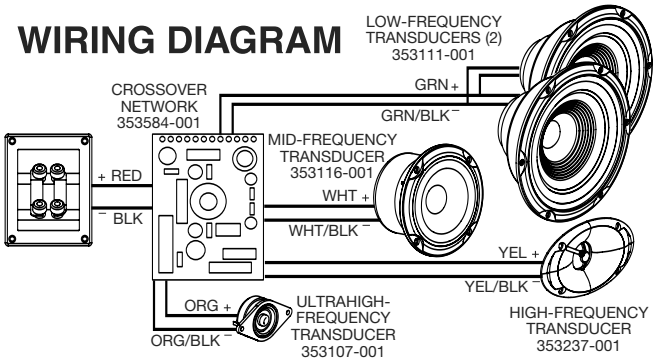
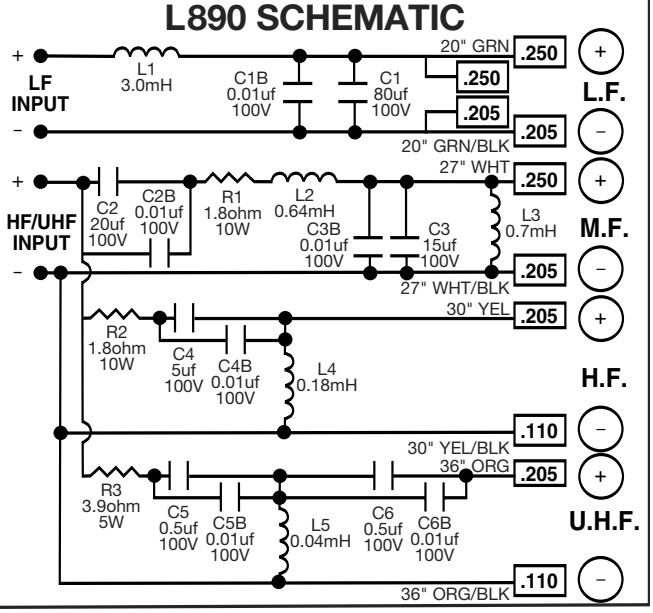
WIRING DIAGRAM



L890 SCHEMATIC



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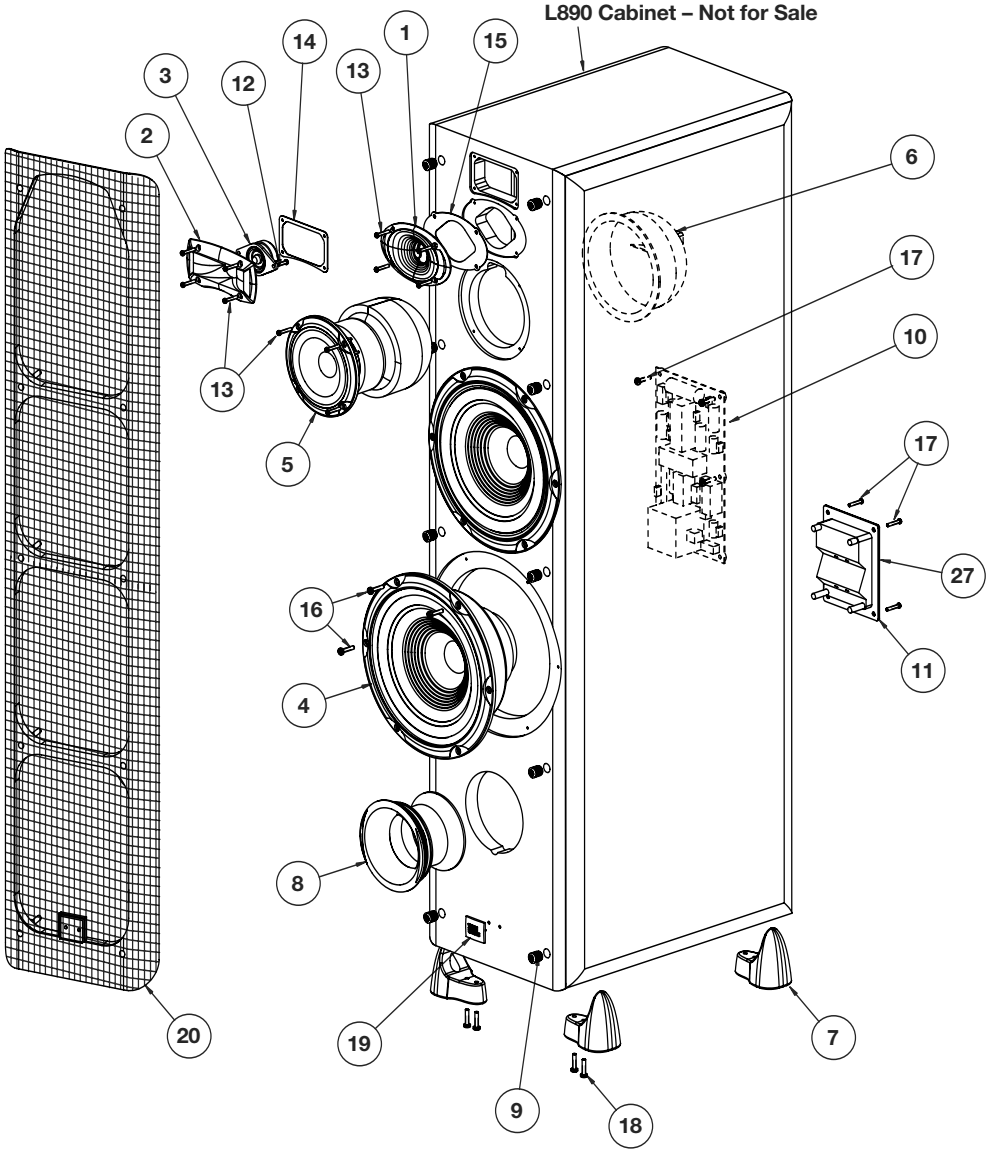
EXPLODED VIEW



Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	353237-001	HF TWEETER, ASSY, W/FACEPLATE	1	15	353331-001	GSKT, TWEETER, HF	1
2	353133-001	HORN, UHF – STUDIO SERIES	1	16	903802-012	SCREW (WOOFER) PB, HXS, #8X.75, ZINC	12
3	353107-001	ASSY, TWEETER, UHF – STUDIO SERIES	1	17	903401-012	SCREW (NETWORK, TERM CUP)	10
4	353111-001	ASSY, WFR, 8" – STUDIO L SERIES	2			PB, PPH, #6X.75, BLK	
5	353116-001	ASSY, MIDRANGE, 4" – STUDIO L SERIES	1	18	903101-016	SCREW (FOOT) PB, TRPH, #8 X 1, CR, BLK	8
6	353297-001	FLOWER POT – STUDIO L SERIES	1	19	353284-001	ASSY, LOGO – STUDIO L SERIES	1
7	353354-001	ASSY, FOOT – STUDIO L SERIES	4	20	353231-001	ASSY, GRILLE – STUDIO L890	1
8	353202-001	ASSY, PTB – STUDIO L890	1	21	353581-001	OUTER CARTON, STUDIO L890, BLK	1
9	333249-001	GRILLE CUP, BLACK	10		353581-002	OUTER CARTON, STUDIO L890, BE	1
	333249-003	GRILLE CUP, BE & CH	10		353581-003	OUTER CARTON, STUDIO L890, CH	1
10	353584-001	CROSSOVER NETWORK L890	1	22	353334-001	L890 OWNER'S MANUAL	1
11	351317-001	TERMINAL CUP, BI-WIRE, PLSTC-NE	1	23	353583-001	PAD, END, TOP & BTM L890	2
12	900301-008	SCREW (UHF TWT) MS, PPH, 6-32X.5, BLK	2	24	338322-001	WARRANTY CARD, JBL PASSIVE	1
13	908302-012	SCREW (HF TWT, UHF HORN, MIDRANGE)	12	25	354432-001	KIT, SPIKE FEET – STUDIO L SERIES (SET)	1
		PB, HXS, #6X.75, ZINC		26	330104-001	FOOT, BUMP-ON, 3M, SJ5744	8
14	353327-001	GSKT, TWEETER, UHF	1	27	CS06-6	NETWORK SHORTING STRAPS (SET)	1